

Danner, Ward

From: Wilson, Patrick
Sent: Tuesday, March 11, 2014 10:07 AM
To: Huetteman, Tom; Armann, Steve
Subject: FW: EPA Regulatory Framework: Health/Risk-Based Targets & Goals
Attachments: Pages from 40CFR300-NCP.pdf; Pages from 1996-05-01_FED_Register-01May1996-ANPR_CA.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Most recent written correspondence w/Jennifer:

From: Wilson, Patrick
Sent: Wednesday, February 26, 2014 11:52 AM
To: Jennifer DENICOLA
Subject: EPA Regulatory Framework: Health/Risk-Based Targets & Goals

Good Morning Ms. DeNicola (Jennifer),

As requested, please find attached two PDFs with information regarding EPA's regulatory framework with respect to the Agency's risk management paradigm.

Your e-message & questions regarding PCB impacted dyes was forwarded to Carmen Santos – our Region's PCB coordinator. Carmen has shared your question with EPA HQ back in Washington D.C., and will reply directly to you after receiving a response from the national program office.

You also sent a more recent e-message regarding the putative interactive impacts of multiple toxic chemicals when conducting risk analysis. EPA's national cleanup programs do account for multiple toxins when conducting site-specific risk assessments for facilities, sites or in communities.

Fundamentally, there are four interactive toxicological mechanisms which govern the manner in which multiple chemicals can exert their impact on the health of human receptors: additive, antagonistic, potentiated & synergistic. EPA has developed a formal science policy in our risk assessment paradigms which governs the manner in which the Agency assesses the risk & hazard from multiple chemicals or toxins. Please feel free to phone me directly to discuss further, or in-detail.

Best Regards...



United States Environmental Protection Agency

Patrick Wilson, Ph.D., M.P.H. | Senior Regional Toxicologist | Regional Incident Coordination Team

415.972.3354 | wilson.patrick@epa.gov

US EPA Region IX | 75 Hawthorne St. (WST-5) San Francisco, CA 94105-3901

<http://www.epa.gov/region9/>

From: Tyahla, Stephen
Sent: Wednesday, February 26, 2014 10:36 AM
To: Wilson, Patrick
Subject: Excerpts re Superfund and RCRA CA risk goals

Hi Patrick,

As requested, attached are excerpts from the National Contingency Plan (NCP) and our primary RCRA Corrective Action guidance (the Advance Notice of Proposed Rulemaking in the May 1, 1996 Federal Register) concerning the human health risk goals for cleanups/remedial actions performed under both the Superfund and RCRA corrective action programs, respectively. As you know, by design, the, RCRA corrective action program goals mirror the Superfund goals.

I marked up each a bit via Adobe to help direct the reader to the pertinent text. Hope that's ok.

Cheers,

STEVE T.

Stephen F. Tyahla, P.E., CHMM
Project Manager, RCRA Corrective Action Office
Waste Management Division
U.S. EPA Region IX
75 Hawthorne St., San Francisco, CA 94105
415.972.3466 / tyahla.stephen@epa.gov

[This email, including any attachments, may contain non-public, privileged and/or confidential information solely intended to be conveyed to the designated recipient(s). If you receive this email and are not an intended recipient, please delete this email and its attachments immediately. The unauthorized use, dissemination, distribution, or reproduction of this email and its attachments is strictly prohibited by law.]